CLAIMS

1. Communication method in an industrial automation facility (40; 70; 90), having a central control and information system (1) and a number of movable user terminals (13) having an information display, comprising the step of:

providing said central control and information system (1) with an identification of a user of a first user terminal (13),

characterised by the further steps of:

determining a present location of said first user terminal (13);

selecting a first data quantity depending on at least both said identification (9) and said present location (11) from databases (2) available to said central control and information system (1);

communicating said first data quantity from said central control and information system (1) to said first user terminal (13); and

presenting said first data quantity for said user on said information display of said first user terminal (13),

whereby said user is provided with most relevant facility information at each instant without taking active measures.

2. Communication method according to claim 1, **characterised in that** said selecting step is dependent also on at least one of:

the history of communication to and from said first user terminal (13),

the operational situation of said industrial facility (40; 70; 90),

time, and

date.

3. Communication method according to claim 1 or 2, **characterised by** the further steps of:

inputting data to said first user terminal (13); and

communicating said inputted data to said central control and information system (1);

whereby said selecting step being dependent also on said inputted data.

4. Communication method according to claim 3, **characterised in that** said inputted data is representative of a predetermined activity of said user.

5. Communication method according to claim 4, **characterised in that** said predetermined activity is selected from the list of:

maintenance;

supervision; and

education.

6. Communication method according to any of the claims 1 to 5, **characterised in that** communication to and from said first user terminal (13) is performed wireless.

7. Communication method according to claim 6, **characterised in that** said location determining step is performed in said first user terminal (13), and by the further step of communicating data representing said determined location to said central control and information system (1).

8. Communication method according to claim 6, **characterised in that** said location determining step is performed in said central control and information system (1).

9. Communication method according to any of the claims 1 to 5, **characterised in that** communication to and from said first user terminal (13) is performed via stationary connection blocks (28).

10. Communication method according to claim 9, **characterised in that** said location determining step in turn comprises the steps of:

determining which stationary connection block (28) said first user terminal (13) is connected to; and

relating said determined stationary connection block (28) to a physical location by a predetermined database.

11. Communication method according to any of the claims 1 to 10, **characterised in that** location determining step comprises the step of relating said first user terminal (13) to a zone (30; 30A-K) of predetermined spatial extent, whereby said selecting step being dependent on the identity of said zone (30; 30A-K).

12. Communication method according to claim 11, **characterised in that** said predetermined spatial extent of said zone (30; 30A-K) is dependent on said user identification.

13. Communication method according to any of the claims 1 to 12, **characterised by** the further step of communicating a second data quantity to and/or from stationary user terminals.

14. Communication method according to any of the claims 1 to 13, **characterised by** the further step of communicating a third data quantity to and/or from external networks (63).

15. Communication method according to any of the claims 1 to 14, **characterised in that** said first data quantity comprises operational data of said industrial automation facility (40; 70; 90).

16. Communication method according to any of the claims 1 to 15, **characterised by** the further step of relating said identification to at least one of:

authorisation profile;
education profile;
organisation position; and
priority.

17. Communication system in an industrial automation facility (40; 70; 90), comprising:

a central control and information system (1);

a number of movable user terminals (13) having an information display; and

identification providing means (9) for providing said central control and information system (1) with an identification of a user of a first user terminal (13);

said central control and information system (1) having access to at least one database (2),

characterised by:

locator means (11) for determining a present location of said first user terminal (13);

selector means for selecting a first data quantity from said database (2), said selector means being connected to at least both said identification providing means and said locator means; and

communication means for communicating said first data quantity from said selector means to said first user terminal (13);

said information display of said first user terminal (13) being arranged for presenting said first data quantity for said user;

whereby said user is provided with most relevant facility information at each instant without taking active measures.

18. Communication system according to claim 17, **characterised in that** said selector means has access to additional information selected from the list of:

the history of communication to and from said first user terminal (13),

the operational situation of said industrial facility (40; 70; 90),

time, and

date.

19. Communication system according to claim 17 or 18, **characterised in that** said first user terminal (13) further comprises means for inputting data

and in that said communication means is arranged also for communicating data from said first user terminal (13) to said central control and information system(1), said selector means having access to at least a part of said data from said first user terminal (13).

20. Communication system according to claim 19, **characterised in that** said inputted data is representative of a predetermined activity of said user.

21. Communication system according to claim 20, **characterised in that** said predetermined activity is selected from the list of:

maintenance;

supervision; and

education.

22. Communication system according to any of the claims 17 to 21, **characterised in that** said communication means is a wireless communication means.

23. Communication system according to claim 22, **characterised in that** said first user terminal (13) comprises said locator means, said communication means being arranged to communicate data representing said determined location to said central control and information system (1).

24. Communication system according to claim 22, **characterised in that** said central control and information system (1) comprises said locator means.

25. Communication system according to any of the claims 17 to 21, **characterised in that** said communication means comprises wires connected via stationary connection blocks (28).

26. Communication system according to claim 25, **characterised in that** said locator means in turn comprises:

means for determining which stationary connection block (28) said first user terminal (13) is connected to; and

means for relating said determined stationary connection block (28) to a physical location by a predetermined database.

27. Communication system according to any of the claims 17 to 26, **characterised in that** locator means comprises means for relating said first user terminal (13) to a zone (30; 30A-K) of predetermined spatial extent, said selector means having access to the identity of said zone (30; 30A-K).

28. Communication system according to claim 27, **characterised in that** said predetermined spatial extent of said zone (30; 30A-K) is dependent on said user identification.

29. Communication system according to any of the claims 17 to 28, **characterised in that** said communication means is further arranged for communicating a second data quantity to and/or from stationary user terminals.

30. Communication system according to any of the claims 17 to 29, **characterised in that** said communication means is further arranged for communicating a third data quantity to and/or from external networks (63).

31. Communication system according to any of the claims 17 to 30, **characterised in that** said first data quantity comprises operational data of said industrial automation facility (40; 70; 90).

32. Communication system according to any of the claims 17 to 31, **characterised in that** said database comprises means for relating said identification to at least one of:

authorisation profile;

education profile;

organisation position; and

priority.

33. A computer program product comprising computer code means and/or software code portions that when run on a computer or processor makes the processor carry out the steps of the method of any of the claims 1 to 16.

34. A computer program product according to claim 33 supplied via a network, such as Internet.

35. A computer readable medium containing a computer program product according to claim 33 or 34.
